CUMULATIVE TABLE OF CONTENTS
VOLUME 21, 2000

Number 1, 2000: Antimicrobial Therapy in Pulmonary and Critical Care Medicine
Burke A. Cunha, M.D.

Preface—*Burke A. Cunha, M.D.* 1
Antibiotic Resistance: A Historical Perspective—*Burke A. Cunha, M.D.* 3
Monotherapy of Nosocomial Pneumonia—*H. Lode, M.D., M. Raffenberg, M.D., H. Geerdes-Fenge, M.D., and H. Mauch, M.D.* 9
New Antibiotics in Pulmonary and Critical Care Medicine: Focus on Advanced Generation Quinolones and Caphalosporins—*Paul G. Ambrose, Pharm.D. and Robert C. Owens, Jr., Pharm.D.* 19
Antibiotic Resistance in Community-Acquired Pulmonary Pathogens—*Franco Paradisi, M.D. and Giampaolo Corti, M.D.* 33
Antibiotic Resistance in Nosocomial Pulmonary Pathogens—*Annie Chalfine, M.D., Jean François Timsit, M.D., and Jacques Acar, Ph.D.* 45
Antibiotic Side Effects—*Richard A. Gleckman, M.D. and John S. Czachor, M.D.* 53
The Antibiotic Treatment of Severe Community-Acquired Pneumonia Admitted to the Critical Care Unit—*Burke A. Cunha, M.D.* 61

Number 2, 2000: Inflammatory and Infectious Disorders Affecting Small Airways
Robert P. Baughman, M.D. and Antonio Anzueto, M.D.

Preface—*Robert P. Baughman, M.D. and Antonio Anzueto, M.D.* 71
Epidemiology of Chronic Bronchitis and Acute Infective Exacerbations of Chronic Bronchitis—*Namjin Kim, M.D. and Kenneth V. Leeper, Jr., M.D.* 73
The Inflammatory Response in Chronic Bronchitis—*Steve Nelson, M.D. and Carol M. Mason, M.D.* 79
Infections in Acute Exacerbation of Chronic Bronchitis: What are They and How Do We Know?—*Robert P. Baughman, M.D. and Elsira Pina, D.O.* 87
Treatment of Acute Exacerbations of Chronic Bronchitis: Antibiotic Therapy—*Antonio Anzeuto, M.D.* 97
Impact of Lower Respiratory Tract Infections on Health Status—*Paul W. Jones, M.D.* 107
Use of Guidelines and Risk Stratification in Acute Exacerbations of Chronic Obstructive Pulmonary Disease—*Ronald F. Grossman, M.D.* 113
Bronchiolitis Obliterans—*Luis Angel, M.D., Arturo Homma, M.D., and Stephanie M. Levine, M.D.* 123
Bronchiolitis Obliterans Organizing Pneumonia—*Jean François Cordier, M.D.* 135

Number 3, 2000: Innovations In Mechanical Ventilation
Neil R. MacIntyre, M.D

Preface—*Neil R. MacIntyre, M.D.* 153
Scope of Mechanical Ventilation and Need for Innovations—*Neil R. MacIntyre, M.D.* 155
Proportional Assist Ventilation—*Salvatore Grasso, M.D. and V. Marco Raineri, M.D.* 161
High Frequency Ventilation—*Neil R. MacIntyre, M.D.* 167
Partial Liquid Ventilation—*Denis Hadjiliadis, M.D.* 175
Aerosol Therapy in Mechanically Ventilated Patients: Recent Advances and New Techniques—*James B. Fink, M.S., R.R.T. and Rajiv Dhand, M.D.* 183
Techniques For Automated Feedback Control of Mechanical Ventilation—*Richard D. Branson, B.A., R.R.T.* 203
Tracheal Gas Insufflation—*Robert McConnell, R.R.T. and Neil R. MacIntyre, M.D.* 211
Mechanical Ventilation Strategies for Lung Protection—*Neil R. MacIntyre, M.D.* 215
Pharmacologic Adjuncts During Mechanical Ventilation—*Loretta G. Que, M.D. and Yuh-Chin Tony Huang, M.D., M.H.S., F.C.C.P.* 223
Tracheal Pressure Ventilator Control—*Michael J. Banner, Ph.D. and Paul B. Blanch, B.A., R.R.T.* 233
Advances In Infection Control: Ventilator- Associated Pneumonia—*Mohammed H. Hijazi, M.B.B.Ch. and Neil R. MacIntyre, M.D.* 245

Number 4: Problems in Pulmonary Pathogens
Louis B. Rice, M.D.

Preface—*Louis B. Rice, M.D.* 271
Antimicrobial Resistance with Streptococcus Pneumoniae in the United States—*Gary V. Doern, Ph.D.* 273
Chlamydia Pneumoniae Pneumonia—*Thomas M. File, Jr., M.D. and James S. Tan, M.D.* 285
Legionella as a Cause of Severe Pneumonia—*Emanuel N. Vergis, M.D., M.P.H., Efsun Akbas, M.D., and Victor L. Yu, M.D.* 295
Respiratory Syncytial Virus Infection: An Emerging or Unappreciated Infection?—*David M. Shlaes, M.D., Ph.D.* 305
Hantavirus Pulmonary Syndrome in the Americas: The Early Years—Ali S. Khan, M.D., M.P.H., Paul T. Kitsutani, M.D., and Amy L. Corneli, M.P.H., C.H.E.S. 313
Therapeutic Considerations in the Treatment of Respiratory Infections Caused by Ceftazidime-Resistant *Klebsiella Pneumoniae*—*Louis B. Rice, M.D.* 323
Problem Pulmonary Pathogens: *Pseudomonas Aeruginosa*—*Ruba Odeh, D.O. and John P. Quinn, M.D.* 331
Acinetobacter—*James J. Rahal, M.D. and Carl Urban, Ph.D.* 341
The Clinical Spectrum of *Stenotrophomonas (Xanthomonas) Maltophilia* Respiratory Infection—*Shahe E. Vartivarian., M.D., Elias J. Anaissie, M.D., Elias N. Kiwan, M.D., and Konstantinos A. Papadakis, M.D.* 349

Number 5, 2000: Lung Cancer: Evolving Strategies in Diagnosis and Treatment
Gerard A. Silvestri, M.D.

Preface—*Gerard A. Silvestri, M.D.* 363
Epidemiology of Lung Cancer with Special Reference to Genetics, Bioassays, Women, and Developing Countries—*Grier P. Page, Ph.D., Judith L. Green, M.S.W., and Daniel Lackland, Ph.D.* 365
Economic Issues in Lung Cancer—*Louise Bordeleau, M.D., F.R.C.P.C. and Pamela J.Goodwin, M.D., M. Sc., F.R.C.P.C.* 375
Screening for Lung Cancer in High-Risk Groups: Current Status of Low-Dose Spiral CT Scanning and Sputum Markers—*James R. Jett, M.D.* 385
Case Studies in the Diagnosis and Staging with Non-Small Cell Lung Cancer—*Christopher E. Avendano, M.D. and Gerard A. Silvestri, M.D., M.S.* 393
Role of Bronchoscopy in Lung Cancer—*Albert L. Rafanan, M.D. and Atul C. Mehta, M.D.* 405
Preoperative Evaluation of the High-Risk Surgical Patient for Lung Cancer Resection—*Lynn T. Tanoue, M.D.* 421
Evidence-Based Outcomes for Patients with Non-Small Cell Lung Cancer Undergoing Resection—*Valerie W. Rusch, M.D.* 433
Evidence-Based Outcomes for Patients with Advanced Non-Small Cell Lung Cancer—*Michael S. Reif, M.D. and M. Patricia Rivera, M.D., F.C.C.P.* 443
Evaluation and Management of the Complications of Lung Cancer Treatment—*Mei-Lin W. Au-See, B.A., M.R.C.P. and Stephen G. Spiro, M.D., F.R.C.P.* 451
New Gene and Cell-Based Therapies for Lung Cancer—*Raj K. Batra, M.D., Sherven Sharma, Ph.D., and Steven M. Dubinett, M.D.* 463

Number 6, 2000: Venous Thromboembolism: A Critical Appraisal
Victor F. Tapson, M.D.

Preface—*Victor F. Tapson, M.D.* 465
Hereditary and Acquired Thrombophilia—*Ivan Bank, M.D., Saskia Middeldorp, M.D., and Harry R. Büller, M.D.* 467
Venous Thromboembolism: Risk Factors and Prophylaxis—*Rita Selby, M.D. and William H. Geerts, M.D.* 477
Spiral CT for Pulmonary Embolism—*Philip C. Goodman, M.D.* 487
The Diagnostic Approach to Deep Venous Thrombosis—*C. Gregory Elliot, M.D.* 495
The Role of the D-Dimer in the Diagnosis of Venous Thromboembolism—*Gregory S. Ahearn, M.D. and Henri Bounameaux, M.D.* 505
Low Molecular Weight Heparins: Background and Pharmacology—*Timothy A. Morris, M.D.* 521
Treatment of Acute Deep Venous Thrombosis and Pulmonary Embolism: Use of Low Molecular Weight Heparin—*Victor F. Tapson, M.D.* 531
The Approach to Massive Pulmonary Embolism—*Samuel Z. Goldhaber, M.D.* 539
Chronic Thromboembolic Pulmonary Hypertension—*Peter F. Fedullo, M.D., Kim M. Kerr, M.D., William R. Auger, M.D., Stuart W. Jamieson, M.D., David P. Kapelanski, M.D.* 547
Venous Thromboembolism: Past, Present, and Future—*John G. Weg, M.D.* 559